

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-75

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

CUMMINS ENGINE COMPANY, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Company, Inc. 1992 model-year diesel engine family is certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
NCE0855FZA5 (093M)	14.0 855	Turbocharger Charge Air Cooler Powertrain Control Module

Engine models and codes are listed on attachments.

The certification emission standards for this engine family in grams per brake-horsepower-hour are as follows:

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.25

The certification emission values for this engine family in grams per brake-horsepower-hour are as follows:

<u>Engine Family</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
NCE0855FZA5	0.3	2.0	4.6	0.25

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.)

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 27th day of November, 1991.

A handwritten signature in dark ink, appearing to read "R. B. Summerfield", is written over the typed name and title.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

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Manufacturer Cummins Engine Company, Inc. Engine Family (093M) NCE0855FZA5

Liter (CID) 14 (855) Eng. Type I-6

Emission Control Sys. & Special Features PCME (TC, CAC)
(Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm ³ /stroke	Particulate Trap Mfr. Part Number
(1)N14-460E (1572)	Cummins	Cummins 3073995	460@1700	276	NA
(1)N14-430E (1573)	Cummins	Cummins 3073995	430@1700	251	NA
(1)N14-410E (1573)	Cummins	Cummins 3073995	410@1600	247	NA
(1)N14-370E (1573)	Cummins	Cummins 3073995	370@1600	221	NA
(2)N14-460E (1580)	Cummins	Cummins 3073995	460@1700	276	NA
(2)N14-430E (1580)	Cummins	Cummins 3073995	430@1700	251	NA

Revisions: (1) RC2-093M-92
031390
030186 (2) RC4-093M-92

REVISED
MAR 20 1992